

US PATENT & TRADEMARK  
OFFICE

DOCKET NO. 2003.07.003.WS0 2003 OCT 17 PM 3:10  
Customer No. 23990

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : Purva R. Rajkotia  
Serial No. : 10/693,753  
Filed : October 24, 2003  
For : WIRELESS NETWORK USING SHARED TRAFFIC CHANNEL  
MODE OF OPERATION FOR BROADCAST SERVICES  
Group No. : 2618  
Examiner : Bobbak Safaipour  
Confirmation No. : 2440

MAIL STOP 16

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

REQUEST FOR REFUND

Applicant hereby requests a refund in the amount of \$120.00 for a one-month extension fee charged to Deposit Account No. 50-0208 on September 22, 2008. A copy of the Deposit Account Statement dated September 2008 is attached.

Applicant timely filed a Reply Under 37 C.F.R. §1.111 in the USPTO on July 14, 2008 in response to the Office Action mailed April 14, 2008. A copy of the date-stamped postcard, Certificate of Mailing and Reply as filed are enclosed.

Please issue a credit in the amount of \$120.00 to Deposit Account No. 50-0208 for this charge.

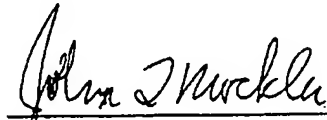
1251

ATTORNEY DOCKET NO. 2003.07.003.WS0 (SAMS01-00290)  
U.S. SERIAL NO. 10/693,753  
PATENT

Respectfully submitted, . .

MUNCK CARTER, P.C.

Date: 16 Oct 2008

  
\_\_\_\_\_  
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Registration No. 39,775

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**United States  
Patent and  
Trademark Office**



**Deposit Account Statement**

<b>Requested Statement Month:</b>	September 2008
<b>Deposit Account Number:</b>	500208
<b>Name:</b>	MUNCK CARTER, P.C.
<b>Attention:</b>	WILLIAM A. MUNCK, ESQ
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<b>City:</b>	DALLAS
<b>State:</b>	TX
<b>Zip:</b>	75251
<b>Country:</b>	UNITED STATES

DATE	SEQ	POSTING REF TXT	ATTORNEY DOCKET NBR	FEE CODE	AMT	BAL
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# Deposit Account Statement

Page 3 of 3

09/29	9811	12239777	SAMS07-20100	1311	\$210.00	\$6,868.0
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START			SUM OF	SUM OF	END	
BALANCE			CHARGES	REPLENISH	BALANCE	
\$8,818.00			\$13,995.00	\$12,875.00	\$7,698.00	

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Mailed: July 14, 2008  
In re. Application of: PURVA R. RAJKOTIA  
Serial No.: 10/693,753  
File Date: October 24, 2003  
Title: WIRELESS NETWORK USING SHARED TRAFFIC  
CHANNEL MODE OF OPERATION FOR BROADCAST  
SERVICES  
Docket No.: 2003.07.003.WS0  
Client No. SAMS01-00290

The following documents were received in the U.S. Patent and Trademark Office on the date stamped below:

- 1) Certificate of Mailing by First Class Mail; and
- 2) Reply Under 37 C.F.R. § 1.111.



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MUNCK CARTER

DOCKET NO. 2003.07.003.WS0  
Customer No. 23990

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : Purva R. Rajkotia  
Serial No. : 10/693,753  
Filed : October 24, 2003  
For : WIRELESS NETWORK USING SHARED TRAFFIC  
CHANNEL MODE OF OPERATION FOR BROADCAST  
SERVICES  
Art Unit : 2618  
Examiner : Bobbak Safaipoor

MAIL STOP AMENDMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

Sir:

The undersigned hereby certifies that the following documents:

1. Reply Under 37 C.F.R. § 1.111; and
2. A postcard receipt

relating to the above application, were deposited as "First Class Mail" with the United States Postal Service, addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on July 14, 2008.

Date: July 14, 2008

Date: July 14, 2008

\_\_\_\_\_  
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DOCKET NO. 2003.07.003.WS0  
Customer No. 23990

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : Purva R. Rajkotia  
Serial No. : 10/693,753  
Filed : October 24, 2003  
For : WIRELESS NETWORK USING SHARED TRAFFIC  
CHANNEL MODE OF OPERATION FOR BROADCAST  
SERVICES  
Group No. : 2618  
Examiner : Bobbak Safaipour

MAIL STOP AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

REPLY UNDER 37 C.F.R. § 1.111

This communication responds to an Office Action dated April 14, 2008, which has a shortened statutory period for reply set to expire on July 14, 2008.

Please amend the application as follows.

IN THE CLAIMS

The current claims follow. For claims not marked as amended in this response, any difference in the claims below and the previous state of the claims is unintentional and in the nature of a typographical error.

1. (Previously Presented) For use in a wireless network, a base station capable of transmitting broadcast data over a shared traffic channel to a plurality of mobile stations in a coverage area of said base station,

wherein said base station is capable of transmitting a first control message over said shared traffic channel to said plurality of mobile stations, said first control message operable to assign a shared public long code mask (PLCM) to said plurality of mobile stations,

wherein said broadcast data comprises a first local address identifier and mobile station-specific information.

2. (Original) The base station as set forth in Claim 1 wherein said base station is further capable of transmitting a second control message to said plurality of mobile stations, said second control message operable to assign a shared Walsh Code (WC) to said plurality of mobile stations.

3. (Original) The base station as set forth in Claim 2 wherein said base station transmits said broadcast data to said plurality of mobile stations using said shared PLCM and said shared WC.

4. (Previously Presented) The base station as set forth in Claim 3 wherein said base station is further capable of transmitting said mobile station-specific information to a first target mobile station by transmitting in said broadcast data a first packet data unit containing said first local address identifier associated with said first target mobile station.

5. (Previously Presented) The base station as set forth in Claim 4 wherein said base station assigns said first local address identifier to said first target mobile station.

6. (Previously Presented) The base station as set forth in Claim 5 wherein said base station is further capable of transmitting multicast information to a first group of mobile stations by transmitting in said broadcast data a second packet data unit containing a second local address identifier associated with said first group of mobile stations.

7. (Previously Presented) The base station as set forth in Claim 6 wherein said base station assigns said second local address identifier to said first group of mobile stations.

8. (Previously Presented) A wireless network comprising a plurality of base stations, wherein a first one of said plurality of base stations is capable of transmitting broadcast data to a plurality of mobile stations over a shared traffic channel,

wherein said first base station is capable of transmitting a first control message to said plurality of mobile stations over said shared traffic channel, the first control message operable to assign a shared public long code mask (PLCM) to the plurality of mobile stations,

wherein said broadcast data comprises a first local address identifier and mobile station-specific information.

9. (Original) The wireless network as set forth in Claim 8 wherein said first base station is further capable of transmitting a second control message to said plurality of mobile stations, said second control message operable to assign a shared Walsh Code (WC) to said plurality of mobile stations.

10. (Original) The wireless network as set forth in Claim 9 wherein said first base station transmits said broadcast data to said plurality of mobile stations using said shared PLCM and said shared WC.

11. (Previously Presented) The wireless network as set forth in Claim 10 wherein said first base station is further capable of transmitting said mobile station-specific information to a

first target mobile station by transmitting in said broadcast data a first packet data unit containing said first local address identifier associated with said first target mobile station.

12. (Previously Presented) The wireless network as set forth in Claim 11 wherein said first base station assigns said first local address identifier to said first target mobile station.

13. (Previously Presented) The wireless network as set forth in Claim 12 wherein said first base station is further capable of transmitting multicast information to a first group of mobile stations by transmitting in said broadcast data a second packet data unit containing a second local address identifier associated with said first group of mobile stations.

14. (Previously Presented) The wireless network as set forth in Claim 13 wherein said first base station assigns said second local address identifier to said first group of mobile stations.

15. (Previously Presented) For use in a wireless network, a method of transmitting broadcast data from a base station to a plurality of mobile stations in a coverage area of the base station using a shared traffic channel, the method comprising the steps of:

transmitting a first control message from the base station to the plurality of mobile stations over said shared traffic channel, the first control message operable to assign a shared public long code mask (PLCM) to the plurality of mobile stations,

wherein said broadcast data comprises a first local address identifier and mobile station-specific information.

16. (Original) The method as set forth in Claim 15 further comprising the step of transmitting a second control message to the plurality of mobile stations, the second control message operable to assign a shared Walsh Code (WC) to the plurality of mobile stations.

17. (Original) The method as set forth in Claim 16 further comprising the step of transmitting the broadcast data to the plurality of mobile stations using the shared PLCM and the shared WC.

18. (Previously Presented) The method as set forth in Claim 17 further comprising the step of transmitting said mobile station-specific information to a first target mobile station by transmitting in the broadcast data a first packet data unit containing said first local address identifier associated with the first target mobile station.

19. (Previously Presented) The method as set forth in Claim 18 wherein the base station assigns the first local address identifier to the first target mobile station.

20. (Previously Presented) The method as set forth in Claim 19 further comprising the step of transmitting multicast information to a first group of mobile stations by transmitting in the broadcast data a second packet data unit containing a second local address identifier associated with the first group of mobile stations.

21. (Previously Presented) The method as set forth in Claim 20 wherein the base station assigns the second local address identifier to the first group of mobile stations.

REMARKS

Claims 1-21 were originally filed in the present application.

Claims 1-21 are pending in the present application.

Claims 1-21 were rejected in the April 14, 2008 Office Action.

No claims have been allowed.

Claims 1-21 remain in the present application.

Reconsideration of the claims is respectfully requested.

In the April 14, 2008 Office Action, the Examiner rejected Claims 1-21 under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent Application No. 2005/0025082 to *Jang, et al.* (hereinafter, simply "Jang") in view of European Patent No. 828355 to *Noneman* (hereinafter, simply "Noneman").

The Applicant respectfully disagrees with and traverses the above rejections. The Applicant directs the Examiner's attention to independent Claim 1, which recites the unique and novel limitations emphasized below:

1. For use in a wireless network, a base station capable of transmitting broadcast data over a shared traffic channel to a plurality of mobile stations in a coverage area of said base station,  
wherein said base station is capable of transmitting a first control message over said shared traffic channel to said plurality of mobile stations, said first control message operable to assign a shared public long code mask (PLCM) to said plurality of mobile stations,  
wherein said broadcast data comprises a first local address identifier and mobile station - specific information.

The Applicant respectfully asserts that the limitation "said broadcast data comprises a first local address identifier" as recited in Claim 1 is unique and novel over the Jang reference alone or in combination with the Noneman reference. The Examiner concedes that "Jang et al fails to disclose wherein said first control message operable to assigns a shared public long mask (PLCM) to said plurality of mobile stations, wherein said broadcast data comprises a first local address identifier and mobile station-specific information." The Examiner attempts to cure this deficiency by relying upon Noneman.

The Examiner asserts that the "local address identifier" is taught by Noneman, stating "[t]he spreading code, scrambling code, and frequency channel are assigned to each MS." Each of the items stated by the examiner relate to information being transmitted to the mobile station, not information about the mobile device.

As explained in paragraph [0049] of the original specification, the local address identifier allows the use of address identifiers containing fewer bits than the mobile station ESN value. Therefore, this information is ABOUT the mobile station. Paragraph [0049] of the original specification is reproduced below:

[049] Each base station may assign a local address identifier to each mobile station. This allows the use of address identifiers containing fewer bits than the mobile station ESN value. The local address identifiers of one base station may be re-used only by a remote base station, thereby avoiding address identifier conflicts. Advantageously, address identifiers may be used to perform multicasts. This may be accomplished by assigning each

mobile station a unique address identifier used only by that mobile station, as well as a group identifier that is shared with a selected multicast group of mobile stations. The base station performs the multicast by using the group identifier in the packet data units directed to the selected multicast group. [Emphasis Added]

As shown above, the local address identifier relates to identification of a mobile station. The sections cited by the Examiner of Noneman relate only to information that is transmitted to the mobile device (e.g., the spreading code, scrambling code, and frequency channel). None of these are items that are used as address identifiers that contain fewer bits than the mobile station ESN value. It is therefore respectfully submitted that none of the prior art of record teaches, suggests, or anticipates "a first local address identifier".

In sum, the prior art references cited by the Examiner do not disclose, teach or suggest the unique and novel limitations recited in independent Claims 1. The independent claims 8, and 15 recite limitations that are analogous to the limitations recited in the claim 1, and these limitations are unique and novel over the Jang reference alone or in combination with the Noneman reference. Accordingly, independent Claims 1, 8, and 15 are patentable over the cited prior art. Dependent Claims 2-7, 9-14, and 16-21 depend from independent Claim 1, 8, and 15 respectively and contain all of the unique and novel limitations recited in Claim 1. This being the case, these dependent claims are also patentable over the cited prior art references.

SUMMARY

For the reasons given above, the Applicant respectfully requests reconsideration and allowance of the pending claims and that this application be passed to issue. If any outstanding issues remain, or if the Examiner has any further suggestions for expediting allowance of this application, the Applicant respectfully invites the Examiner to contact the undersigned at the telephone number indicated below or at *jmockler@munckcarter.com*.

The Commissioner is hereby authorized to charge any additional fees connected with this communication or credit any overpayment to Deposit Account No. 50-0208.

Respectfully submitted,

MUNCK CARTER, P.C.

*John T. Mockler*

John T. Mockler  
Registration No. 39,775

Date: July 14, 2008

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Document code: WFEE

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01 FC:1251 120.00 CR